1. In the below elements which of them are values or an expression? eg:- values can be integer or string and expressions will be mathematical operators.

\*

'hello'

-87.8

-

/

6

Ans-

Values:

1. ‘hello’
2. -87.8
3. 6

The rest are expressions

2. What is the difference between string and variable?

Ans- Variables are containers for storage of date, while strings are particular kind of data

3. Describe three different data types.

Ans-

Integer -> Used to store both negative and positive whole numbers.

Float ->Used to store both negative and positive decimal values.

String -> Stores data in a collection of characters

1. What is an expression made up of? What do all expressions do?

Ans- An expression is made up of a combination of operators and operands.

Interpret the combination of operator and operands to produce some vale/data.

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?

6. After running the following code, what does the variable bacon contain?

bacon = 22

bacon + 1

Ans - 23

7. What should the values of the following two terms be?

'spam' + 'spamspam'

'spam' \* 3

Ans- spamspamspam

spamspamspam

8. Why is eggs a valid variable name while 100 is invalid?

Ans- Eggs is valid because valiable name shall start with a character

9. What three functions can be used to get the integer, floating-point number, or string version of a value?

Ans-

Typecasting example

int()

float()

string()

10. Why does this expression cause an error? How can you fix it?

'I have eaten ' + 99 + ' burritos.'

Ans- Numerical data can not be contatenated with a string.

'I have eaten ' + ‘99’ + ' burritos.'